

**Contractor's Progress Report
(Technical and Financial)
CDRL A001**

For: Safe Surgery Trainer

Prime Contract: N00014-14-C-0066

For the Period May, 2015 to May 31, 2015

Submitted: 15 June 2015

**Prepared for:
Office of Naval Research (ONR)
875 N. Randolph Street
Arlington, VA 22203-1995**

**Prepared by:
Alion Science and Technology Corporation
5365 Robin Hood Road, Suite 500
Norfolk, VA 23513**

Contract Program Manager
Curtiss Murphy
(757) 857-5670, Ext. 308
(757) 857-6781 (fax)
cmurphy@alionscience.com

Contract Administrator
Kimberly Thompson
(757) 857-5670, Ext. 366
(757) 857- 6781 (fax)
kthompson@alionscience.com

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Medical Modeling - Safe Surgery Trainer

This Monthly Progress Report is provided in accordance with the contract CDRL.

1) Contract Period of Performance: 12 March, 2014 to 30 September, 2015

2) Cost (Estimated financials may differ from actual invoice)

- | | |
|--|--------------|
| a) Total Amount Funded to date: | \$910,256.00 |
| b) Estimated Reporting Period Expenditures | \$41,848.03 |
| c) Estimated Cumulative Expenditure | \$696,213.55 |
| d) Estimated Remaining Funds To Completion | \$214,041.45 |

3) Progress and Accomplishments During Report Period

- a) Program Management – Ongoing communication and project management with project team and sub-contractors. Ongoing outreach with medical centers (see below). Ongoing project management according to Alion’s CMMI Level 3 processes.
 - i) Focused heavily on upcoming studies at Langley Air Force Hospital (June 24-25) with additional participation from Fort Eustis.
 - ii) Worked to secure involvement of Portsmouth Naval Hospital – This has become a MAJOR risk (see below).
 - iii) Ongoing interactions with medical representatives that were interested in or attended the SST StoryJam. StoryJam Participating organizations included: Portsmouth Naval Hospital, Langley AFB Hospital, Fort Eustis McDonald Healthcare, Eastern Virginia Medical School, Maryview Hospital, Mary Immaculate Hospital, and the Children’s Hospital of the King’s Daughters.
- b) Prototype Development – Minor adjustments during Iteration 3 including missions, scenarios, and user interface. Minor adjustments to fun-facts mini-game and 4th scenario mission.
- c) Instructional Design and Healthcare Research – Minimal updates of scenario materials to ensure gameplay, scenarios, and conversations match terminal learning objective: Facilitate Psychological Safety.
- d) Research Studies – MAJOR preparation for studies which are scheduled for June 24-25 at Langley. Refined measurement outlines for continued studies. Finalizing IRB plans.

4) Work in Progress / Plans for Next Month

- a) Program Management - Continue identifying communication channels, managing contracts, and coordinating with team members and outside

Unclassified

- participants. Continue involving team members and stakeholders in testing, development, and research.
- b) Prototype Development – Minor revisions to the software in preparation for the June studies as part of Iteration 3.
 - c) Instructional Design and Healthcare Research – Continue finalizing scenarios, conversations, and learning objectives.
 - d) Research Studies –Coordinate with participating organizations regarding IRB and June studies, including: Langley, and Portsmouth Naval. Conduct studies. Begin gathering data.

5) Milestones / Deliverables

Name/Description	Date (Target or Actual)	Notes/Status
Project Management Plan	DONE: May 28, 2014	COMPLETE
Reports	15 th of each month	This document
Presentation Materials	As appropriate	ONR Kickoff Brief
Software Requirements Document	Target: Nov 30, 2014	
Scenario Design Document	Target: Sept 30, 2014 & June 30, 2015	
Prototype - Executable	Target: December, 2014, May, 2015, and Aug, 2015	Iter 1 – COMPLETE 12/1/14 Iter 2 – Target Apr 30, 2015 Iter 3 – Target July 31, 2015
Prototype - Source	Target: Sept 30, 2015	
Research Data	Target: Sept 30, 2015	
Final Report	Target: Sept 30, 2015	
Milestone – Initiation	DONE: May 31, 2014	COMPLETE
Milestone – Iteration 1	DONE: Dec 1, 2014	COMPLETE
Milestone – Iteration 2	DONE: Apr 30, 2015	COMPLETE
Milestone – Iteration 3	Target: July 31, 2015	
Milestone – Conclusion	Target: Sept 30, 2015	
Milestone – ONR Kickoff	DONE: Apr 22, 2014	COMPLETE
Milestone – StoryJam	DONE: May 25, 2014	COMPLETE

6) Risks/Issues/Concerns/Problems

- a) PORTSMOUTH NAVAL HOSPITAL – Discussions with Portsmouth have halted. Commander Cunningham has requested communications with ONR Dr. Ray Perez related to 1) contractual issues and 2) data gathering/rights. This has become a MAJOR issue.
- b) Still need a transition agreement or memorandum with Portsmouth Naval Hospital. Working with new XO, Capt Smith. Will also begin work to brief/update the new CO, Capt Vai. (Note – see October report for more detailed analysis of previous risk)

7) Travel Accomplished

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- a) I/ITSEC, Dec 1 – Dec 4, Orlando Florida. Included labor hours for onsite SST effort such as conducting the field study. No actual travel budget.
- b) IMSH, Jan 12-14, New Orleans, Louisiana. Includes labor hours for onsite SST demonstrations and meetings. No actual travel budget.

8) Planned Travel

- a) Travel to Norfolk by UCF research partners, in June.

9) Related Activities

- a) Submitted abstract for I/ITSEC 2015 tutorial, “There and Back Again – A Journey of Games, Communication, and Innovation.” Abstract was accepted. Power point presentation due on June 12.
- b) Presented talk at the International Modelling and Simulation in Healthcare (IMSH) 2015 conference, New Orleans, Louisiana, Jan 10-14, 2015. “Safer Surgery with Games – The Moment of Truth”
- c) Presented at the Design of Learning Games Community Workshop, at I/ITSEC, Wednesday, Dec 3rd.
- d) Conducted Field Study from the Alion booth at I/ITSEC 2014 – only such study of the conference!
- e) Presented SST concepts in a brief at the M&S Southwest Modeling and Simulation Conference in Scottsdale, Arizona, Mar 12, 2014.